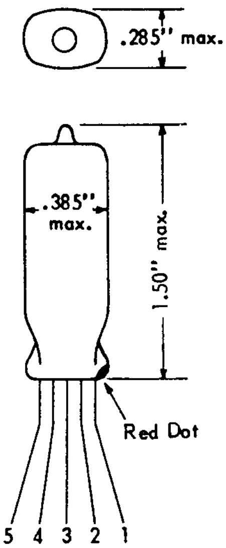
TYPE CK6526

RAYTHEON

Excellence in Electronics

The CK6526 is a filament type pentode power amplifier of subminiature construction designed for Class A amplifier applications in intermittent duty—cycle or "push—to—talk" service in portable equipment. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting the leads to a suitable length.



MECHANICAL DATA

ENVELOPE: T-2X3 Glass

BASE: None (0.016" tinned flexible leads. Length: 1.5" min. Spacing: 0.048" center-to-center.)

TERMINAL CONNECTIONS: *(Red Dot is adjacent to Lead 1).*

- Lead 1 Plate
- Lead 2 Grid #2
- Lead 3 Filament, Negative, ▲ Grid #3
- Lead 4 Grid #1
- Lead 5 Filament, Positive, ▲ Grid #3

MOUNTING POSITION: Any

ELECTRICAL DATA

RATINGS - ABSOLUTE MAXIMUM VALUES:

Filament Voltage (dc)	1.25 ± 10%	volts
Plate Voltage	135	volts
Grid #2 Voltage	135	volts
Cathode Current	12	mA
Plate Dissipation	1.1	watts
Grid #2 Dissipation	0.40	watts

CHARACTERISTICS AND TYPICAL OPERATION—CLASS A1 AMPLIFIER:

Filament Voltage	1.25	volts
Filament Current	125	mA
Plate Voltage	110	volts
Grid #2 Voltage	110	volts
Grid #1 Voltage	-6.0	volts
Zero-Signal Plate Current	6.5	mA
Grid #2 Current	1.15	mA
Transconductance	1900	μmhos
Plate Resistance (approx.)	0.140	meg.
Load Resistance	10	Kilohms
Distortion (approx.)	12	percent
Power Output	375	mW
Peak AF Signal Voltage	6.0	volts

▲ *Grid #3 is comprised of two separate deflector plates, one of which is connect to lead 3 and the other to lead 5.*

AVERAGE PLATE CHARACTERISTICS

